

Having thus set forth the preferred embodiments, the invention is now claimed to be:

1. A method of processing compressed digital image data comprising:
receiving the digital image data compressed according to a defined pattern matching technique, where the digital image data includes coded image content data and a decoding pattern dictionary containing image patterns substitutable for the coded image content data; and
revising an image pattern in the decoding pattern dictionary.
2. The method of processing compressed digital image data as set forth in claim 1, where the image patterns in the decoding pattern dictionary are compressed, the method further comprising prior to the revising step:
decompressing an image pattern in the decoding pattern dictionary.
3. The method of processing compressed digital image data as set forth in claim 2, further comprising after the revising step:
compressing the revised image pattern.
4. The method of processing compressed digital image data as set forth in claim 1, further comprising:
replacing the image pattern in the decoding pattern dictionary with the revised image pattern.
5. The method of processing compressed digital image data as set forth in claim 1, further comprising:
decompressing the compressed coded image content data using the revised patterns in the decoding pattern dictionary.
6. The method of processing compressed digital image data as set forth in claim 5, where the decompressing comprises:

parsing the coded image content data;
 extracting from the coded image content data a pattern location
 corresponding to a location in the decoding pattern dictionary;
 outputting the revised image pattern at the extracted location corresponding to
 the pattern location.

7. The method of processing compressed digital image data as set forth in claim 1, where the image pattern comprises a binary value, the revising comprising:

converting the binary image patterns to grayscale.

8. The method of processing compressed digital image data as set forth in claim 1, where the revising comprises:

applying morphological operations to an image pattern in the decoding pattern dictionary.

9. In an image processing system which receives image data compressed by a pattern matching process, a method of decompressing the image data comprising in optional sequence:

adjusting an output appearance of at least one pattern in a database of stored post-compression patterns, the adjusting responsive to characteristics of a desired output mechanism;

receiving an input pattern location corresponding to a post-compression pattern in the database; and

extracting the adjusted post-compression pattern from the database.

10. The method of decompressing image data as set forth in claim 9, where the adjusting comprises image processing a plurality of the stored post-compression patterns received with the image data prior to receiving an input pattern.

11. The method of decompressing image data as set forth in claim 10, where the adjusting comprises gray scaling a post-compression pattern received with the image data.

12. The method of decompressing image data as set forth in claim 9, where the adjusting comprises image processing a first instance of each input pattern location received.

13. The method of decompressing image data as set forth in claim 12, further comprising replacing the stored post-compression pattern corresponding to the image processed instance, with the image processed instance.

14. In a xerographic image processing device which, a method of manipulating the data stream comprising:
receiving the data stream including an output pattern dictionary and a coded portion referencing identifiable patterns in the output pattern dictionary;
image processing a pattern in the output pattern dictionary; and
replacing the pattern in the output pattern dictionary with the image processed pattern.

15. The method of manipulating a data stream representation of an image as set forth in claim 14, further comprising:

outputting a replaced pattern in the output pattern dictionary identified by coded portion of the received data stream.

16. The method of manipulating a data stream representation of an image as set forth in claim 14 where the image processing adjusts the output pattern for a specific image output device.

17. The method of manipulating a data stream representation of an image as set forth in claim 14, further comprising:

repeating the image processing and replacing steps for all patterns in the output pattern dictionary; and
storing the image processed output dictionary on a print server.

0919085-073101
101270-5806160